



Docket No. 1509-467

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :  
Inventor: David SIKHARULIDZE : Confirmation No. 7131  
U.S. Patent Application No. 10/698,028 : Group Art Unit: 1772  
Filed: October 31, 2003 :  
For: BISTABLE NEMATIC LIQUID CRYSTAL DISPLAY DEVICE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted,

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April 2, 2004

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>(PTO-1449)</b>				ATTY. DOCKET NO. <b>1509-467</b>		U.S. PATENT APPLICATION NO. <b>10/698,028</b>	
				APPLICANT <b>David SIKHARULIDZE</b>			
				FILING DATE <b>October 31, 2003</b>		GROUP <b>1772</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	<b>4,305,807</b>	<b>12-15-1981</b>	<b>Somlyody</b>	<b>204</b>	<b>299 R</b>	<b>3-13-1980</b>	
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
	<b>GB 2 324 620</b>	<b>10-28-1998</b>	<b>UK</b>				
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
Thurston et al., "Mechanically Bistable Liquid-Crystal Display Structures," IEEE Transactions on Electron Devices, Vol. ED-27, No. 11, November 1980, pp. 2069-2080							
Dozov et al., "Fast bistable nematic display using monostable surface switching," Appl. Phys. Lett. 70 (9), March 3, 1997, pp. 1179-1181							
Bartolino et al., "Polarity sensitive electrooptical response in a nematic liquid crystal-polymer mixture," Journal of Applied Physics, Vol. 85, No. 5, March 1, 1999, pp. 2870-2874							
Eidenschink et al., "Static Scattering in Filled Nematic: New Liquid Crystal Display Technique," Electronics Letters, Vol. 27, No. 13, June 20, 1991, pp. 1195-1196							
Glushchenko et al., "Memory effect in filled nematic liquid crystals," Liquid Crystals, Vol. 23, No. 2 (1997), pp. 241-246							
Kawasumi et al., "Nematic liquid crystal/clay mineral composites," Materials Science and Engineering C 6 (1998), pp. 135-143							
Kreuzer et al., "New liquid crystal display with bistability and selective erasure using scattering in filled nematics," Appl. Phys. Lett. 62 (15), April 12, 1993, pp. 1712-1714							
Lee et al., "Dynamic behavior of silica particles in liquid crystals under an ac applied voltage," Proceedings of 13 <sup>th</sup> International Conference on Dielectric Liquids (ICDL '99), July 1999, pp. 571-574							
EXAMINER				DATE CONSIDERED			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.